

Jupiter (Manual)

J2900 Series

29" Diameter Manual Sectional Kilns • Cone 10 (most models) • 2-1/2" Brick

FEATURES

Temperature Rating: Cone 10, 2350°F, 1290°C (except J2918 which is Cone 5)

Loading: Lid position, when open, rests at an angle away from the kiln without lid supports so that loading is easy.

Hinge: Spring loaded for easy opening while still allowing lid to be supported without supports that get in the way of loading.

Stand: Heavy-duty 14 gauge full solid stand with multiple bends for strength. Bolt on legs. Feet protectors included.

Assembly: Two to five 9" high sections stack on top of each other. Easy to assemble. Bottom is reversible.

Construction: Stainless steel wrapped around brick with 3 clamps on each section. All stainless screws.

Insulation: 2-1/2" K23 firebrick.

Brick Coating: Reflective coating protects brick and reduces dusting.

Element Holders: Hard ceramic element holders protect brick.

Elements: Heavy-duty. 3 elements per 9" high section.

Element Connections: Proprietary all-ceramic element connection block makes changing elements easy.

Control Panel: All controls and components are mounted in a separate control panel that mounts to the element connection boxes. Cords from sections plug into this panel. The control panel is hinged for easy access and maintenance. Control box can be easily removed for servicing.

Control: Orton Kiln Sitter/Timer is mounted in a separate box on the outside of the kiln. Each section is controlled with separate infinitely adjustable switches.

Peephole Plugs: Non-fragile solid ceramic with heat-locked head. 1" diameter full-view non-tapered. One per section.

Relays: Mercury free relays.

Instructions: Complete visual instructions with control reference, process information, assembly, troubleshooting, and parts list.

Warranty: Limited 3 year warranty. (See hotkilns.com/warranty.pdf).

UL Listing: c-MET-us listed to UL499 standards.

OPTIONS

Furniture Kits: See Dimension & Hearth Specifications.

Vent System: Vent-Sure downdraft vent (See hotkilns.com/vent.pdf)

Tru-View Digital Pyrometer System: Multi-zone pyrometers let you control your manual zoned kiln with more accurate temperature readings and better control of temperature gradients. See separate specification sheet "Spec-Tru-View". (See hotkilns.com/spec-tru-view.pdf)

480 Volts: 480 volts/ 3 phase uses 277 volt elements in a "Wye" electrical configuration for a balanced circuit (see hotkilns.com/480.pdf). Available without a NEMA 1 Control Panel at a lower cost, however this panel is required to maintain the c-MET-us listing.

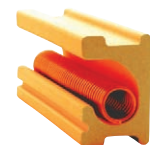
Powered Bottom: Available on all J2900 Series kilns. There are two extra elements on the bottom.



A JD2927 is shown with three sections. This shows the automatic version. No photo is available of the manual version at this time. However, see the photo on the J1800 series to see what the panel and Kiln Sitter mounting look like.



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L&L Kiln's patented hard ceramic element holders protect your kiln.

Bulletin No: Spec-J2900-4-10

JUPITER (MANUAL) J2900 Series Kilns

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DIMENSION, WEIGHT & FURNITURE KIT SPECIFICATIONS

| Model Number | Inside Height | Cubic Feet | Furniture Kit | Furniture Kit Part No. | Outside Dimensions | Shipping Dimensions (with Kit) | Ship Weight Kiln Only | Ship Weight Kiln + Kit |
|--------------|---------------|------------|---------------|------------------------|-----------------------|---|-----------------------|------------------------|
| J2918 | 18" | 6.9 | 6 shelves | H-J-K290/00 | 40" W x 31" H x 50" D | 48" W x 55" H x 44" D | 335 lbs | 440 lbs |
| J2927 | 27" | 10.3 | 8 shelves | H-J-K292/00 | 40" W x 40" H x 50" D | 48" W x 60" H x 44" D | 390 lbs | 520 lbs |
| J2936 | 36" | 13.8 | 10 shelves | H-J-K293/00 | 40" W x 49" H x 50" D | 48" W x 63" H x 44" D and 36" W x 20" H x 36" D | 480 lbs | 635 lbs |
| J2945 | 45" | 17.2 | 12 shelves | H-J-K294/00 | 40" W x 58" H x 50" D | 48" W x 60" H x 44" D and 48" W x 38" H x 44" D | 575 lbs | 755 lbs |

Crosssection of Inside: 12 sided polygon, 29" in diameter.

Minimum Space Requirements: 58" wide x 58" deep.

Furniture/Shelves Kit: Shelves are 26" diameter half round cordierite shelves. Each post kit includes six each 1/2", 1", 2" 4", 6" and 8" high 1-1/2" square cordierite posts. All furniture kits include heat-resistant gloves and 5 pounds of cone 10 kiln wash.

General Dimension Drawings: See each model page on hotkilns.com to download PDF drawings.

For all Dimensions and Weights: See hotkilns.com/jupiter-dimensions.pdf



Furniture kit for a J2918.



Furniture kit for a J2927.



Furniture kit for a J2936.



Furniture kit for a J2945.

ELECTRICAL SPECIFICATIONS

| Standard Models | | | | | | | Powered Bottom Models | | | | | |
|-----------------|-------------|------------|--------|-------|-----------|-----------|-----------------------|-------------|--------|-------|-----------|-----------|
| Model Number | Part Number | Volt/Phase | Watts | Amps | Wire Size | Fuse Size | Model Number | Part Number | Watts | Amps | Wire Size | Fuse Size |
| J2918-240 | K-J-291H/31 | 240/1P | 9,120 | 38.0 | 6 ga | 50 a | J2918-PB-240 | K-J-291P/31 | 12,160 | 50.7 | 4 ga | 70 a |
| J2918-240-3P | K-J-291H/32 | 240/3P | 9,120 | 32.9 | 6 ga | 50 a | J2918-PB-240-3P | K-J-291P/32 | 12,160 | 32.9 | 6 ga | 50 a |
| J2918-208 | K-J-291H/21 | 208/1P | 8,320 | 40.0 | 6 ga | 50 a | J2918-PB-208 | K-J-291P/21 | 11,093 | 53.3 | 4 ga | 70 a |
| J2918-208-3P | K-J-291H/22 | 208/3P | 8,320 | 34.6 | 6 ga | 50 a | J2918-PB-208-3P | K-J-291P/22 | 11,093 | 34.6 | 6 ga | 50 a |
| J2927-240 | K-J-292H/31 | 240/1P | 13,680 | 57.0 | 3 ga | 80 a | J2927-PB-240 | K-J-292P/31 | 16,720 | 69.7 | 2 ga | 90 a |
| J2927-240-3P | K-J-292H/32 | 240/3P | 13,680 | 32.9 | 6 ga | 50 a | J2927-PB-240-3P | K-J-292P/32 | 16,720 | 43.9 | 6 ga | 60 a |
| J2927-208 | K-J-292H/21 | 208/1P | 12,480 | 60.0 | 3 ga | 80 a | J2927-PB-208 | K-J-292P/21 | 15,250 | 73.3 | 2 ga | 90 a |
| J2927-208-3P | K-J-292H/22 | 208/3P | 12,480 | 34.6 | 6 ga | 50 a | J2927-PB-208-3P | K-J-292P/22 | 15,250 | 46.2 | 6 ga | 60 a |
| J2936-240 | K-J-293H/31 | 240/1P | 18,240 | 76.0 | 1 ga | 100 a | J2936-PB-240 | K-J-293P/31 | 21,280 | 88.7 | 1/0 | 125 a |
| J2936-240-3P | K-J-293H/32 | 240/3P | 18,240 | 49.3 | 4 ga | 70 a | J2936-PB-240-3P | K-J-293P/32 | 21,280 | 60.3 | 3 ga | 80 a |
| J2936-208 | K-J-293H/21 | 208/1P | 16,640 | 80.0 | 1 ga | 100 a | J2936-PB-208 | K-J-293P/21 | 19,413 | 93.3 | 1/0 | 125 a |
| J2936-208-3P | K-J-293H/22 | 208/3P | 16,640 | 52.0 | 4 ga | 70 a | J2936-PB-208-3P | K-J-293P/22 | 19,413 | 63.5 | 3 ga | 80 a |
| J2945-240 | K-J-294H/31 | 240/1P | 22,800 | 95.0 | 1/0 | 125 a | J2945-PB-240 | K-J-294P/31 | 25,840 | 107.7 | 2/0 | 150 a |
| J2945-240-3P | K-J-294H/32 | 240/3P | 22,800 | 65.8 | 2 ga | 90 a | J2945-PB-240-3P | K-J-294P/32 | 25,840 | 65.8 | 2 ga | 90 a |
| J2945-208 | K-J-294H/21 | 208/1P | 20,800 | 100.0 | 1/0 | 125 a | J2945-PB-208 | K-J-294P/21 | 23,573 | 113.3 | 2/0 | 150 a |
| J2945-208-3P | K-J-294H/22 | 208/3P | 20,800 | 69.3 | 2 ga | 90 a | J2945-PB-208-3P | K-J-294P/22 | 23,573 | 69.3 | 2 ga | 90 a |

Cone/Temperature Rating: Cone 10, 2350°F, 1290°C (except J2918 which is rated for Cone 5, 2165°F, 1185°C)

UL Listing: All models are c-MET-us listed. 480 models are c-MET-us listed as long as a NEMA1 panel is used.

480 Volt Electrical Requirements: See hotkilns.com/480.html.

Power Connection: Direct hook up to fused disconnect switch.